

A mAb-4E6 based competition ELISA was used for measuring plasma levels of oxidized LDL (1-3). The monoclonal antibody mAb-4E6 is directed against a conformational epitope in the apoB-100 moiety of LDL that is generated as a consequence of substitution of lysine residues of apoB-100 with aldehydes. The C50 values, i.e. concentrations that are required to obtain 50% inhibition of antibody binding in the ELISA, are 25 mg/dL for native LDL, and 0.025 mg/dL for oxidized LDL with at least 60 aldehyde-substituted lysines per apoB-100.

References:

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